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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED / ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

P67183US0

CONCERNING A FILING UNDER 35 U.S.

INTERNATIONAL APPLICATION NO INTERNATIONAL FILING DATE

US APPLICATION NOVIE 9 2 6 3 0 9

PCT/JP00/2420

13 April 2000

PRIORITY DATE CLAIMED

14 April 1999

TITLE OF INVENTION

METHOD FOR RENEWING LIVING BEING PERMANENTLY

APPLICANT(S) FOR DO/EO/US

Izumi ARAI

Applicant herein submits to the United States Designated/Elected Office (DO/EO/US) the following
items and other information.
1. This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
2. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
3. This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. A proper Demand for Internatl. Preliminary Examination was made by the 19th month from earliest claimed priority date.
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
a. \square is transmitted herewith (required only if not transmitted by the International Bureau).
b. 🔲 has been transmitted by the International Bureau.
c. I is not required, as the application was filed in the United States Receiving Office (RO/US)
6. A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
a. are transmitted herewith (required only if not transmitted by the International Bureau).
b. 🔲 have been transmitted by the International Bureau.
c. have not been made; however, the time limit for making such amendments has NOT expired.
d. have not been made and will not be made.
8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. A translation of the annexes to the Internatl. Preliminary Examination report under PCT Article 36 (35 U.S.C. 371(c)(5)).
Items 11. to 16. below concern other document(s) or information included:
17. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet compliance with 37 CFR 3.28 and 3.31 is included.
13. A FIRST preliminary amendment.
A SECOND or SUBSEQUENT preliminary amendment.
14. A substitute specification.
15. A change of power of attorney and/or address letter.
16. Other items or information:
PCT Request Form
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METHOD FOR RENEWING LIVING BEING PERMANENTLY (PCT/JP00/02420)

Izumi Arai 19–16, Senjumidoricho 2–chome, Adachi–ku, Tokyo 120–0044 Japan

The field of my invention

This invention belongs to the field of biology and life science.

Past ways of thinking

So far, all creatures were thought to die.

The point of my invention

This invention liberates creatures from death. In order to attain the purpose, this invention is repetition of the exchange process of organs produced by regenerating cells, tissues, and organs of living things.

Concise explanations of my inventive figures

The first figure shows that an egg produced by nuclear transplantation from cells of individuals and clones is cultivated.

The second figure shows that an individual regains one's health by exchanging old hurt organs such as cells, tissues, and organs of the individual injured in diseases and accidents for new regenerated ones such as cells, tissues, and organs prepared in clone bodies.

The effective method of my invention

I will explain this invention in detail, according to attached figures.

To begin with, as Fig.1 shows, the nucleus of the cell in individuals or clone bodies is transplanted into an egg. Namely, the cell in individuals containing the same types of genes is united with the non-fertilized egg in which polar bodies and chromosomes were removed. And by cell fusion the nucleus is transferred from the cell to the egg. The egg after nuclear transplantation is nurtured in the incubator such as artificial organs or is developed in living bodies such as greater omentum, uterus, etc. And regenerated organs of clone bodies are created like cells, tissues, and organs, as Fig.2 shows. It is possible to take in different kinds of cells, tissues, and organs such as chloroplasts, mitochondria, gills, wings, etc.

Old hurt organs such as cells, tissues, and organs of the individual injured in diseases and accidents are exchanged for new regenerated organs such as healthy cells, tissues, and organs. And an individual is restored to health. Old hurt organs such as cells, tissues, and organs of the injured individual are absorbed or removed, but a part of old ones can be utilized over again. Also, clone bodies can be reconstructed. The individual develops from not only the fertilized oocyte but also the differentiated cell. Therefore, by return from the individual, to the organ, to the tissue, and to the cell, that is, the basic level, I can recover healthy individuals, organs, tissues, and cells even from injured individuals, organs, tissues, and cells. Also, it is possible to unite them across the border of each level.

On respective cells, tissues, and organs, by repetition of the above process, I can maintain healthy individuals. Hurt organs injured in diseases and accidents are various on each occation. As the need arises, I repeat this inventive course. And I can renovate life infinitely toward the eternal future. I can use together artificial materials and spontaneous recovery from internal troubles by external stimuli.

The significance in my invention

In this way, my invention permanently keeps individuals healthy by newly changing each hurt organs such as cells, tissues, and organs of individuals injured in a great variety of diseases and accidents for healthy regenerated organs such as cells, tissues, and organs containing the same types of genes. With repeating this process succeedingly to the future, I can incorporate the improvement by higher quality genes suitable for survival, artificial materials, new energy utility systems, etc., into these repetitive processes. And then I can raise the capacity of interchangeable cells, tissues, and organs, create more versatile progress of individuals, and eternally renovate life.

The scope of my invention

I repeat the process of exchanging hurt organs such as cells, tissues, and organs of individuals injured in diseases and accidents for newly—made healthy ones by regenerating cells, tissues, and organs of life, etc. And I preserve everlasting healthy individuals and rescue creatures from death. By these succeedingly repeated processes toward the future, replacement for better quality genes and utilization of artificial materials and new energy systems are integrated into these processes. In this way, I can improve the performance of cells, tissues, and organs, and create the individual evolving diversely, and renovate life perpetually.

The summary

In the past, living things were thought to die. I liberate creatures from death, and renovate life forever. I regenerate organs(6) such as cells, tissues, and organs of clone bodies(5) produced by the cultivation(4) of the egg(3) whose nucleus(2) is transplanted from the

cell(1) of individuals or clone bodies. And I replace hurt organs(7) such as cells, tissues, and organs of individuals injured in diseases and accidents(8) for newly regenerated ones(6). Therefore I can regain healthy individuals(9). I repeat these processes shown in Fig.2. Whenever injuries occur in various diseases and accidents, etc., I repeat these above processes, with using together high quality genes, artificial materials, the construction of new organ systems, spontaneous recovery by external stimuli, etc. And then I can improve the performance of cells, tissues, and organs, and promote the diverse evolution of individuals.

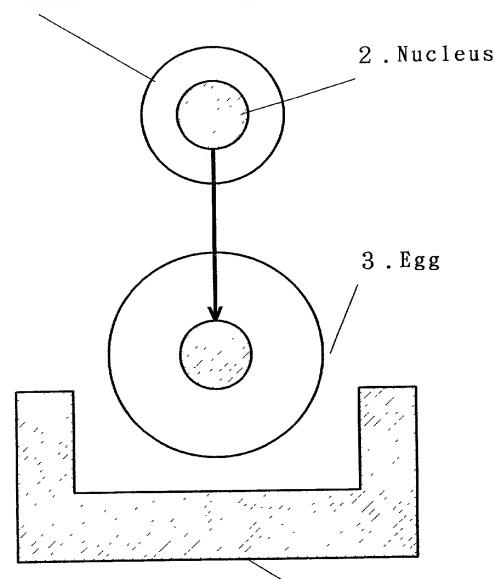
What is claimed is:

- 1. A method of maintaining the health of a subject which comprises replacing at least one organ present in the subject with at least one cloned organ.
- 2. The method of claim 1, wherein the organ that is replaced is diseased, injured, or both.
- 3. The method of claim 1, wherein the cloned organ is cloned from the subject's genetic material.
- 4. The method of claim 1, wherein the step is repeated when the cloned organ becomes diseased, injured, or both.
- 5. The method of claim 1, which further comprises utilizing a part of the organ that is replaced.
- 6. The method of claim 5, wherein the part of the organ that is replaced is used to clone the cloned organ.
- 7. A method of reconstructing a body of a subject which comprises cloning the body from a cell of the subject, a tissue of the subject, an organ of the subject, or a combination thereof
- 8. A method of treating a subject which comprises replacing at least one organ present in the subject with at least one cloned organ and repeating when the cloned organ becomes diseased, injured, or both or replacing at least one gene of the subject with a better quality gene.

- 9. The method of claim 8, wherein the method diversely evolves the subject.
- 10. The method of claim 8, wherein the method improves the performance of a cell, a tissue, or an organ in the subject.
- 11. The method of claim 8, wherein the method permanently renovates the life of the subject.
- 12. The method of claim 8, which further comprises utilizing artificial materials.
- 13. The method of claim 8, which further comprises using new energy systems.

Figure No. 1

1. The cell in individuals or clone bodies containing the same types of genes

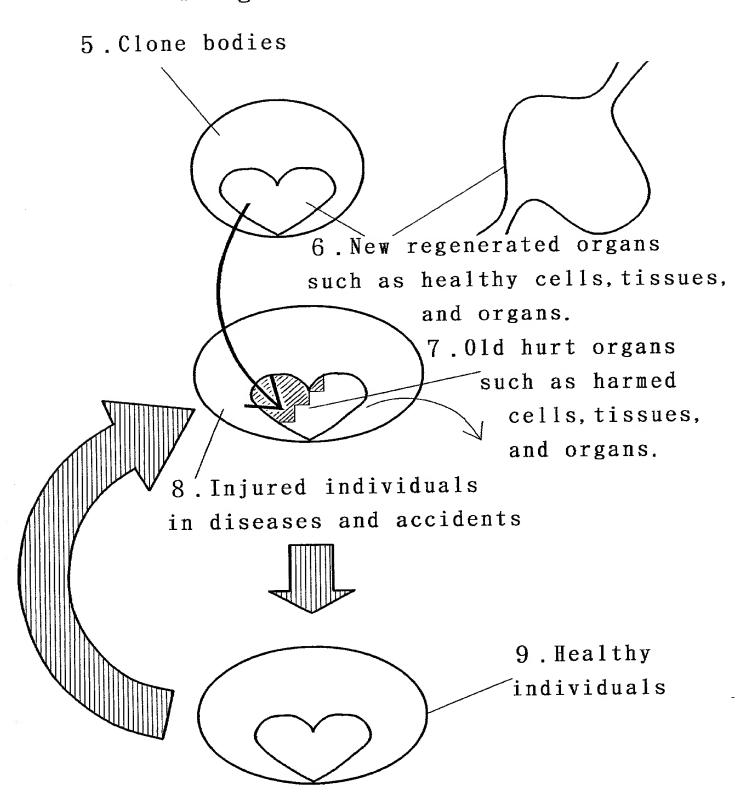


4. The cultivation in the incubator such as artificial organs, or in living bodies such as greater omentum, uterus, etc.

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Figure No. 2



DECLARATION AND POWER OF ATTORNEY U.S.A.

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ALL PATENTS, INCLUDING DESIGN FOR APPLICATION BASED ON PCT; PARIS CONVENTION; NON PRIORITY; OR PROVISIONAL APPLICATIONS

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Additional inventors are named on separately numbered sheets attached hereto

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Each undersigned declares that:

Law Offices of

JACOBSON HOLMAN PROFESSIONAL LIMITED LIABILITY COMPANY THE JENIFER BUILDING 400 SEVENTH STREET, N.W.

WASHINGTON, DC 20004

Attny's Docket No.	
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SMALL ENTITY DECLARATION

[37 CFR 1.9(c-f)]

	(1)	Let the application attached hereto.			
	(2)	U.S. Application Serial No.	, filed		
	(3)	U.S. Patent No.	Issued		
is entitled to virtue of the	o the i	benefits of "small entity" status for paying reduced fe owing:	es under 35 USC 41(a) and (b) to the Patent an	d Trademark Office by	
		Each undersigned declares that he/she qualified CFR 1.9(c).	es as an independent inventor, or would qualify	had he/she made the	
concern qu	alifies	The undersigned declares that he/she is an of s as a small business concern as defined in 37 CFR 1 small business concern, or if the rights are not exclusive.	.9(d); that exclusive rights to the invention have	been conveyed to and	
	(6) n qua	The undersigned declares that he/she is an office alifies as a nonprofit organization as defined in	cial empowered to act on behalf of the organization	on identified below; that	
		(a) 37 CFR 1.9(e)(1)			
		(b) 37 CFR 1.9(e)(2)			
-		(c) 37 CFR 1.9(e)(3)			
		(d) 37 CFR 1.9(e)(4) State law exclusive rights to the invention have been conveyed the rights belong to organizations as defined in 37 C			
	(7) act o	Each person, concern or organization to which I/w r law to assign, grant, convey, or license any rights in		d, or am under an	
		(a) IV no such person, concern or organizat	ion		
		 (b) persons, concerns or organization list parate declaration is required from <u>each</u> named perso is as "small entities."] 		vention averring to their	
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entity prior	to pay	edge the duty to file, in this application or patent, noting, or at the time of paying, the earliest of the issue for appropriate. (37 CFR 1.28(b))			
are believed by fine or in	d to be opriso	eclare all statements made herein of his/her own known true; and further that these statements were made worment, or both, under Section 1001 of Title 18 of the Le application, any patent issued thereon, or any patent	vith the knowledge that willful false statements s Inited States Code and that such willful false state	o made are punishable ements may jeopardize	
	(8)	Izumi Arai Typed Name of Inventor	Signature Arau	September 27,2001	
		Typed Name of Inventor	Signature	Date	
		Typed Name of Inventor	Signature	Date	
		Typed Name of Inventor	Signature	Date	
	(9)	Name of Small Bus	ness Concern or Nonprofit Organization		
		Typed Name By	Signature	Date	
Title of Signatory					

INSTRUCTIONS FOR THE COMPLETION OF SMALL ENTITY DECLARATION

Check box (1) if for use with application about to be filed.

Check box (2) or (3) if for use with application already on file or Patent and complete U.S. Serial No. and Filing Date, or Patent No. and issue date, if known.

CHECK ONLY ONE OF BOXES 4, 5 OR 6, WHICHEVER IS APPLICABLE

Check box (4), individuals who are either: (a) an inventor or (b) a person who would qualify as an independent inventor had he/she made the invention, must sign and date at (8), if he/she have not, and are under no obligation to assign, grant, convey or license any right in the invention to any person who could not likewise be classified as an independent inventor if that person had made the invention or to any concern which would not qualify as a small business concern or non-profit organization (see below).

Check box (5), date, complete name of small business concern and authorized signatory, sign and complete his/her title at (9), if small entity status is claimed by virtue of inventor(s) rights having been, or being obligated to assign, grant, convey or license, to a concern whose number of employees, including those of its affiliates, does not exceed 500 persons. Concerns are affiliates when either controls, directly or indirectly, or has the power to control, the other, or a third party has the power to control both. Number of employees is average over fiscal year of those employed during each pay period, including full-time, part-time or temporary employees. If the small business concern has or is under obligation by contract or law to transfer any rights to another who cannot qualify as small entity, then small entity status not applicable.

Check box (6) and subsection (a), (b), (c) or (d), date, complete name of the nonprofit organization and authorized signatory sign and complete his/her title at (9), if small entity status is claimed by virtue of inventor(s) rights having been, or being obligated to, assign, grant, convey or license, to a nonprofit organization. Subsection (6)(a) to be checked if organization is university or other institution of higher learning; (6)(b) to be checked if organization of type described in Section 501(c)(3) of IRS Code and exempt from taxation under Section 501(a); (6)(c) to be checked if organization is nonprofit scientific or educational organization qualified under a statute of State of the U.S.; and (6)(d) to be checked if foreign organization and would qualify under (6)(b) or (6)(c) if such organization was located in the U.S.A. Fill in the State law under which the organization would qualify.

Check box (7)(a) or (b) as the facts dictate.

IMPORTANT

- (1) Note that U.S. lawyers and agents cannot complete this document after signed. Therefore please completely fill it in before sending to us.
- (2) Each person, concern or organization that has an interest in this invention must sign one of the "Small Entity" Declarations. For example, if an inventor/employee has an obligation to assign to his employer, a corporation having fewer than 500 employees, which corporation has licensed this invention to a licensee corporation also having less than 500 employees, then three "Small Entity" declarations are necessary before the lesser fee can be paid: one from the inventor; one from an official of the employer; and one from an official of the licensee. In the declarations by the inventors and the employer paragraph 7(b) would have to be checked and filled in, the licensee would check paragraph 7(a).

We will be pleased to answer your questions. You may contact us in the following ways:

JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY

TELEPHONE:

(202) 638-6666

TELFAX:

(202) 393-5350

(202) 393-5351 (202) 393-5352

E-MAIL:

ìP@JPHS.COM